

EDL MD Studio : Transfer Editor (v3.47)

The Transfer Editor has been developed by EDL for use by professional broadcast journalists to enable the fast (5x) and lossless transfer of audio tracks from minidisc to PC.

A fully recorded minidisc is transferred in less than 15 minutes, just 20% of the time required by a simple audio connection! The ease by which the required audio segment

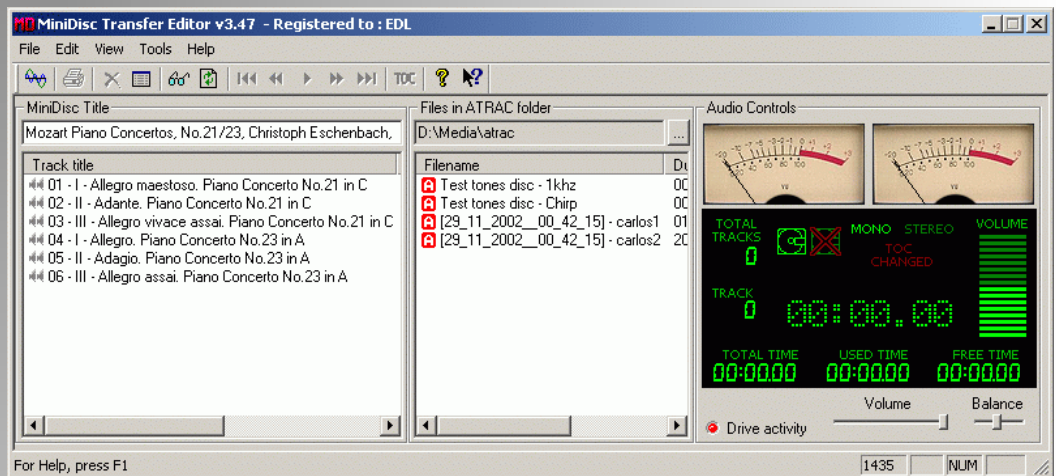
Windows platforms allows for the transfer of an entire Minidisc, individually selected tracks or even partial sections of tracks by using the *integrated waveform editor*.



With the Transfer Editor it's fast and easy to label tracks on the minidisc directly from the PC keyboard. If the users chooses to leave the

Features

- Lossless high speed transfer (5x) from minidisc to PC WAV file
- Repair and recover audio from damaged minidiscs
- Edit track and disc titles from a PC.
- Handles mono/stereo/4 track/8 track minidiscs
- Fast & simple rearrangement, renaming and deletion of tracks
- Integrated waveform editor allows easy track sub-division, splitting
- Automatically maintains database of Minidiscs for library catalogue
- Examine the layout of data on Minidisc, view fragmentation etc.
- Backup and restore of TOC configurations to PC file
- View and edit track properties such as SCMS



can be identified by the Editor makes the transfer time much faster.

The powerful minidisc analysis features have also made the Transfer Editor popular in the fields of forensic audio and minidisc data recovery. The system is capable of reading from faulty or accidentally erased minidiscs, even exploring erased audio regions.

Minidisc is a popular format in the field of professional audio. It delivers high quality, is rugged, reliable, offers long battery life, is lightweight, compact and non-volatile. EDL's Transfer Editor makes minidisc even more attractive by allowing discs and tracks to be labelled, divided, combined, reordered and quickly transferred to PC as individual WAV files for access by the users preferred audio processing software.

The user-friendly software which runs on all

tracks unnamed then unique names are generated.

Direct conversion into compressed sound formats and sample rate conversion is available to special order.

Applications

- Broadcast audio
- Journalism
- Intelligence gathering
- Conference
- Transcription
- Data recovery
- Digital forensics

EDL MD Studio : Transfer Editor

Using the product

Key Features

- Auto extraction of minidisc tracks on insertion of disc.
- Lossless high speed transfer (5x) from minidisc to PC WAV file
- Auto track labelling to aid identification
- Auto track labelling

Alternative operating modes are provided, the simplest of which allows a user to insert a minidisc and have the system automatically transfer all tracks found to the PC as WAV files.

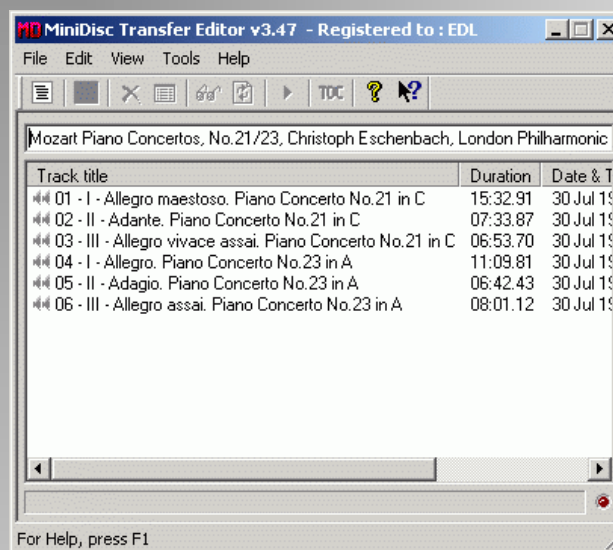
On the PC the tracks will be automatically grouped in a unique folder for that minidisc. If

Common tasks are made exceptionally simple through the user interface. Tracks can be combined, rearranged, renamed or deleted.

The screenshot (*above*) provides the primary interface. Ease of use is the primary objective of the design. Insert a minidisc into a drive and within seconds the

entire track listing will appear in the left hand window. Click and drag a track up or down to re-arrange track order. Drag the track to the PC and initiate a transfer. Click a track in the PC window begins immediate playback of that track. Rename a track by slow-click on its title in either window.

There are a host of features available via right-click menus that relate to the item currently selected.

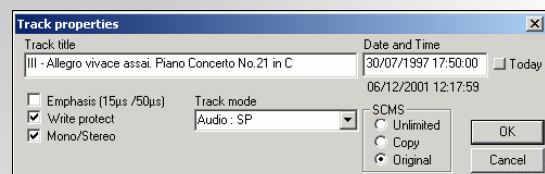


the minidisc or its tracks have been labelled then the folder and filenames will utilise those minidisc track names, otherwise they will be automatically titled to facilitate easy identification. This feature is very helpful in busy transfer departments to assist in identifying each user's work.

Alternatively the user can simply drag and drop a selection of tracks for transfer.

Tracks may be quickly and easily divided into sub-sections prior to transfer using the integrated waveform editor.

Track properties are normally inaccessible with standard minidisc equipment but with a simple right-mouse-click from the minidisc track listing EDL's



Transfer Editor makes this adjustment a breeze.

This dialog allows setting of track name, time/date, individual track write protection and even the SCMS settings.

Waveform Editor

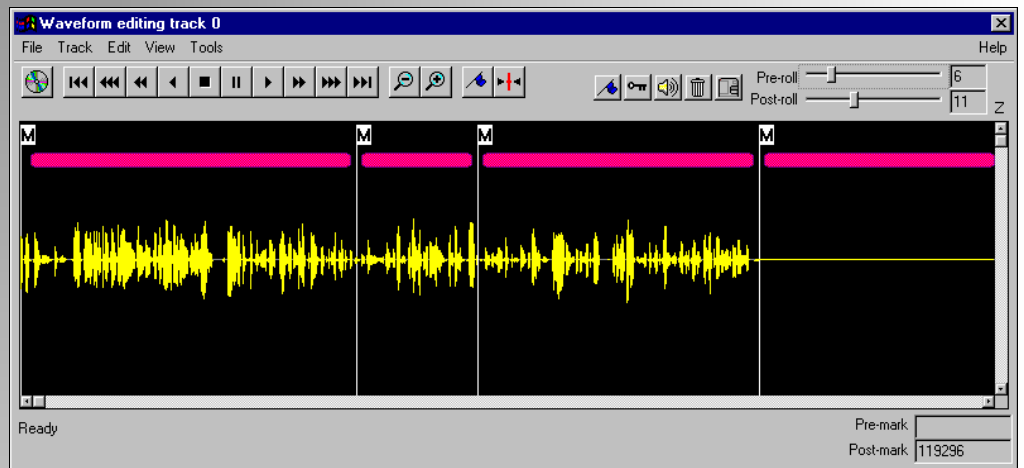
Key Features

- Graphically divide/split audio tracks.
- Transfer track sub-sections to PC.
- Create MD tracks at split markers
- Lossless high speed transfer (5x) from minidisc to PC WAV file
- Unlimited split markers

An integral waveform editor is provided to allow the convenient sub-division of minidisc tracks prior to transfer. The edited item can be restored to the minidisc as multiple tracks or its marked sub-sections transferred as separate items to the PC.

to PC as individual WAV files. Segments may be silenced from a wider selection, skipped, played, or deleted. *Markers* can be dragged, played up-to, played from, deleted or ignored.

On loading a minidisc track into the waveform editor a single red *segment* will be displayed extending between the



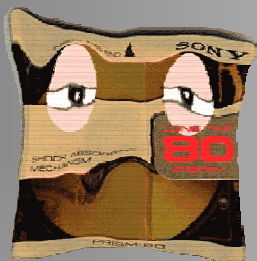
Using Markers & Segments

Scroll to any position in the track, zooming in or out as required using the mouse-wheel. Play audio under the cursor by depressing the middle (wheel) button. Double-click at any position to set a marker.

Blocks of audio between markers constitute *segments*, identified as thick red bars. These may then be turned into minidisc tracks or transferred

automatically placed fixed markers which represent the beginning and end of the track. Adding a new marker will split the segment above it into two; one from the track start to the mark and a second from the mark to the track end. A context menu is available when the mouse pointer is over the bar to provide segment related actions such as; transfer segment to WAV, play from start, play to end ... and more.

Minidisc Recovery Facilities



Minidisc is very reliable but sometimes failures do occur; batteries run out unexpectedly, the recorder might be dropped and damaged. When the worst happens you can rely on our comprehensive minidisc recovery tools.

feature as the either a selection, or part of the entire disc is exhaustively scanned for any audio.

The scan operation actually creates a TOC from any contiguous audio fragments found on the disc surface. As with the structure analyser a comprehensive plain text report is

Key Features

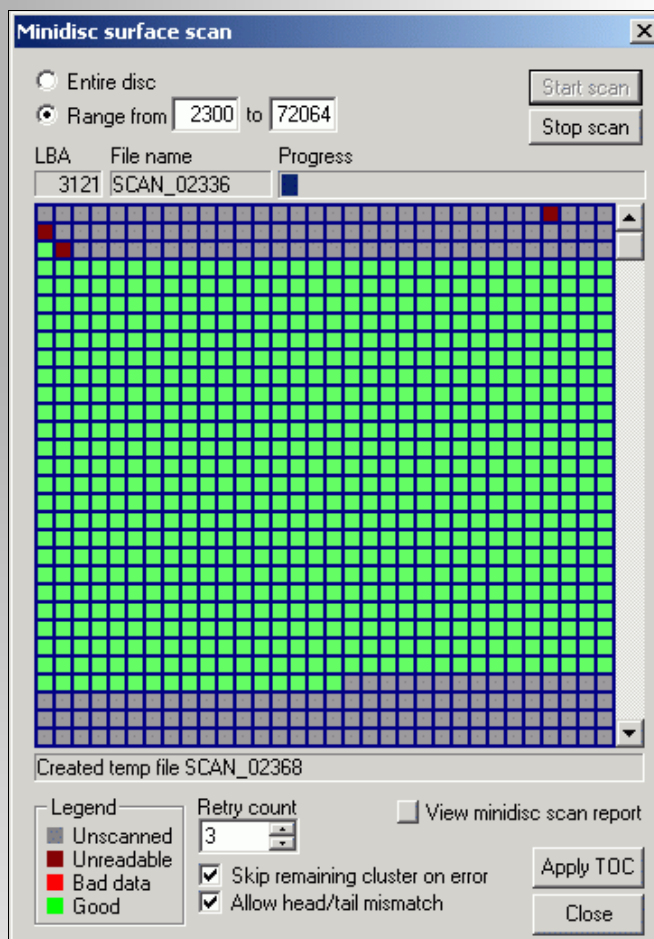
- Repair and recover audio from damaged minidisks
- Rebuilds table of contents (TOC)
- Scans disc surface for any ATRAC audio.
- Handles mono/stereo/4 track/8 track minidisks
- Examine the layout of data on Minidisc, view fragmentation etc.
- Save and load recovery projects.

The feature makes it possible to reconstruct a minidisc table of contents (TOC) from an accidentally, or even deliberately deleted disc and regain the audio from the MiniDisc by rebuilding the table of contents (TOC)

The minidisc surface scan facility goes a long way to automating the task of recovering audio from a damaged minidisc but severely damaged minidisks can require patience and an good understanding of the Minidisc.

The recovery tools should be regarded as a feature for advanced users, the brave, or the desperate! It is central feature for forensic analysis of an audio and data minidisks to reveal deleted or lost data. No table of contents (TOC) is required for this

created for the user reference.



Analysis features

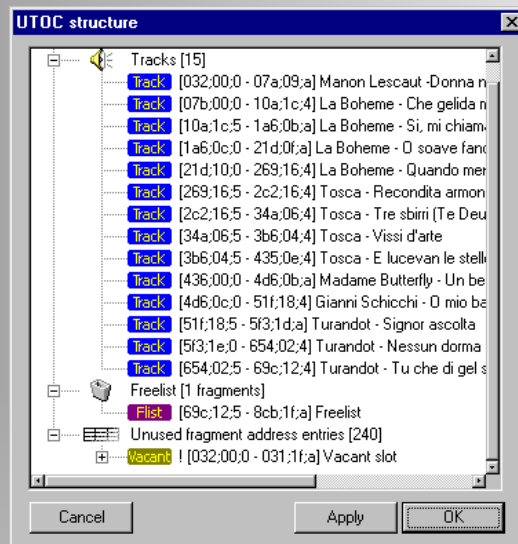
Key Features

- Repair and recover audio from damaged minidiscs
- Batch titling allows entire disc to be labelled in single paste operation
- Create, edit and delete tracks
- View and modify track start/end addresses.
- View track fragmentation.
- Backup and restore of TOC configurations to PC file
- Enter a complete set of mini-disc track labels in a single step.

Technical analysis of a minidisc is provided with the TOC structure dialog. This allows the user to easily see disc fragmentation, free space sectors and more.

Freelist, tracks, fragments may be added, edited or deleted.

This tool is very powerful in forensic analysis of a minidisc as it provides the user with a signature of the disc, al-

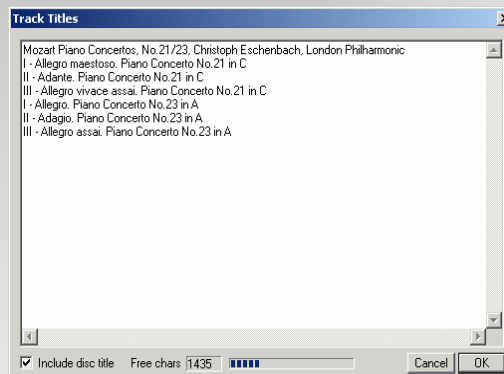


lows access to deleted data areas. The data may be saved as a detailed text readable file or printed.

Batch Titling provides fast and easy titling of the minidisc in a single step the batch title dialog allows the user to enter tracks as a continuous list. You can even paste an entire track set from another program such as a CDDb database., or another minidisc.

The first line can optionally identify the minidisc title.

Minidisc provides up to 1774* characters which should be enough but to warn you of available space a free character count is displayed at the bottom of the window which dynamically updates as text is entered.



Details

Key Features

- Rugged titanium portable minidisc drive
- SCSI-II interface
- Use with desktop or laptop computers
- Optional MP2/MP3 encoder.
- Contact EDL at the following address

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Bristol
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United Kingdom
+44 (0) 117 974 1918
+44 (0) 8700 558 558
www.esdl.co.uk
enquiries@esdl.co.uk

The minidisc drive provided with the system is a *clamshell* design built from an extremely robust titanium housing.



The unit is a custom model with advanced characteristics not found USB model or NetMD.



Connection is made to the PC through a fast SCSI-II interface.

For laptop portable use the drive can utilize a PCMCIA type SCSI-II interface.

A log file is generated and is useful for keeping track

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23/10/2002,17:43:35,"Strange Games & Things",16,1,"Untitled track",,,,17600, 1, 0,1,0,0,1,1,0
23/10/2002,17:43:35,"Strange Games & Things",16,2,"VIBE PM - MONDO GROSSO",,,,17733, 1, 0,1,0,0,1,1,0
23/10/2002,17:43:35,"Strange Games & Things",16,5,"90% OF ME - GWEN MCRAE",,,,181504, 1, 0,1,0,0,1,1,0
23/10/2002,17:43:35,"Strange Games & Things",16,7,"YOU CAN'T RUN AWAY - BARKAYS",,,,253435, 1, 0,1,0,0,1,1,0
23/10/2002,17:43:35,"Strange Games & Things",16,8,"REASONS - MINNIE RIPPERTON",,,,302108, 1, 0,1,0,0,1,1,0
23/10/2002,17:43:35,"Strange Games & Things",16,11,"BACKSTABBERS - O'JAYS",,,,488203, 1, 0,1,0,0,1,1,0
23/10/2002,17:43:35,"Strange Games & Things",16,12,"PUSHERMAN - CURTIS MAYFIELD",,,,521162, 1, 0,1,0,0,1,1,0
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of discs the Transfer Editor handles. Above is a typical sample of the .csv format file. This file can be viewed using a standard text editor or imported into Microsoft Excel or an Access database.

Technical Specifications			
Physical media	Audio minidisc	Operating system	Windows 95, 98, ME, NT, 2000, XP
Output file format	ATRAC, WAV (Other audio formats available to special order.)	Drive power requirements	6v DC, 1A adapter (supplied) or rechargeable LiP-12 LiOn
Computer requirements	Pentium III PC 500MHz or faster 64MB RAM or more Wheel mouse Sound card DirectX 7 or newer.	Items included in package	EDL minidisc drive MD Studio Transfer Editor software. PCI SCSI-II adapter Cable Monitor headphones Power supply for minidisc drive.
Minidisc drive hardware	External, SCSI-II clamshell design. 0.35kg (drive not supplied with educational or non-commercial versions)	Software revision number	v3.48 (discounted Educational & Non-commercial versions also available)
Output audio	44100 samples/sec. Mono/stereo, 16 bit.	Availability	Available now. The product is exclusively supplied worldwide from the UK by EDL.
Drive dimensions	90 x 130 x 30 mm	Price (hardware & software)	On application, dependent on configuration

Contacting EDL UK

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